

Appl. No. 09/911,066
Amdt. Dated July 2, 2003
Reply to Office Action of April 4, 2003

AMENDMENT TO THE CLAIMS

This listing will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1-10 (canceled)

Claim 11 (currently amended): A static gasket as claimed in Claim 22, wherein said carrier has a thickness of between about 10 to 500 ~~mm~~ μm.

Claim 12 (previously presented): A static gasket as claimed in Claims 22, wherein said elastomeric polymer member is selected from silicone, fluorosilicone, nitrile rubber and EPDM.

Claim 13 (previously presented): A static gasket as Claimed in Claim 22, wherein said elastomeric polymer member has a Duro A hardness of between 10 to 70.

Claims 14-16 (cancelled)

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Claim 17 (currently amended): A static gasket as claimed in Claim 23, wherein said elastomeric polymer elastomer member is selected from silicone, fluorosilicone, nitrile rubber and EPDM.

Claim 18 (currently amended): A static gasket as claimed in Claim 23, wherein said carrier has a thickness of between about 10 to 500 ~~um~~ μm .

Claim 19 (currently amended): A static gasket as claimed in Claim 23, wherein said carrier member and said elastomeric elastomer member have a combined thickness in the range of about 0.1 to 10 mm.

Claim 20 (currently amended): A static gasket as claimed in Claim 23, wherein said carrier member is made of a polymer film, said polymer film selected from polyesters, polyimides and polyamides.

Claim 21 (canceled)

Claim 22 (currently amended): A static gasket for sealing electrolyte fluids, said static gasket comprising:

a first carrier member having first and second opposite end portions;
a second carrier member having first and second opposite end portions, said second carrier member being disposed counterposedly under the first carrier member;

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a pair of elastomeric polymer members each disposed on an upper surface of the first and second carrier members respectively, said elastomeric polymer member having an adhesive component which causes said elastomeric polymer member to bond to said carrier member and prevents contamination of the electrolyte fluid being sealed, said first carrier member and said elastomeric polymer member having a combined thickness in the range of from about 0.01 to about 10 mm, wherein when both carrier members are placed between a pair of planar plates and pressed between the plates, the elastomeric polymer members establish a seal for the electrolyte fluid; and a compression limiter provided between the first and second carrier members and horizontally adjacent to said elastomeric polymer members to limit the compression of said elastomeric polymer members, the pair of elastomeric polymer members being aligned in a vertical plane and the compression limiter being out of alignment with the plane in which the pair of elastomeric polymer members are aligned, whereby an element other than the elastomeric polymer members can be supported between first end portions of the first and second carrier members when the first and second carrier members are compressed toward each other in a vertical direction.

Claim 23 (currently amended): A static gasket for sealing electrolyte fluids, said static gasket comprising:

a first carrier member having first and second opposite end portions;
a second carrier member having first and second opposite end portions, said second carrier member being disposed counterposedly under the first carrier member;

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a pair of self-bonding elastomer members each formed on an outer surface of said first and second carrier members respectively, said elastomer members being bonded directly to said carrier members exclusive of an additional adhesive layer, wherein when both carrier members are placed between a pair of planar plates and pressed between the plates, the elastomer members establish a seal for the electrolyte fluid; and

a compression limiter provided between the first and second carrier members and horizontally adjacent to said elastomer members to limit the compression of said elastomer members, the pair of elastomeric polymer members being aligned in a vertical plane and the compression limiter being out of alignment with the plane in which the pair of elastomeric polymer members are aligned, whereby an element other than the elastomer members can be supported between the first end portions of the first and second carrier members when the first and second carrier members are compressed toward each other in a vertical direction.

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